

In the Abstract:

Please add the following abstract:

--ABSTRACT

~~A~~
B1
An air flow sensor and impeller flow for use in industrial, agricultural and civil applications as well as in process control, emission control and measurement. The impeller is suspended for free rotation in a tube section and has a central core and a number of impeller blades extending from the core wherein at least one blade extends from the core to the adjacent inner wall of the tube section. The flow sensor is equipped with measuring means to measure the number of revolutions of the impeller per unit of time and to register an associated calibration speed of the impeller.--

In the Specification

Please amend the specification as follows:

Page 2, lines 4-5, please delete "To that end, the flow sensor according to the invention is characterized by the features of claim 1."

Page 2, lines 36-37, please delete "A further elaboration of the flow sensor according to the invention is characterized by the features of claim 2."

Page 3, lines 12-17, please delete the following text: